

NWS FORM E-5

U.S. DEPARTMENT OF COMMERCE
NOAA, NATIONAL WEATHER SERVICE

HSA OFFICE:
Grand Rapids, MI

REPORT FOR (MONTH & YEAR):
April 2004

MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS

TO: NATIONAL WEATHER SERVICE (W/OS31)
HYDROMETEOROLOGICAL INFO CENTER
1325 EAST-WEST HIGHWAY, RM 13468
SILVER SPRING, MD 20910

DATE:
May 13, 2004

SIGNATURE:
Daniel G. Houser, MIC
Mark L. Walton, Service Hydrologist

When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (WSOM E-41).

X

An **X** inside this box indicates that no flooding occurred within this Hydrologic Service Area.

No significant river flooding occurred in the Grand Rapids Hydrologic Service Area (HSA) during the month of April.

April Precipitation

April precipitation totals were below normal at Grand Rapids, Muskegon and Lansing, Michigan. Monthly precipitation totals at Grand Rapids, Lansing, and Muskegon, were 2.04, 0.68, and 1.83 inches, respectively. Precipitation for the month at these three sites was 1.44 inches below normal at Grand Rapids, 2.41 inches below normal at Lansing, and 1.08 inches below normal at Muskegon, Michigan. For the year, precipitation totals at Grand Rapids, Lansing, and Muskegon were near to below normal, with Grand Rapids 0.27 of an inch above normal, Lansing 2.99 inches below normal, and Muskegon 0.57 of an inch below normal for the year. This was the third driest April on record for Lansing.

Snowfall for the month was 0.2 of an inch at Grand Rapids, 0.5 of an inch at Lansing, and a trace at Muskegon. Snowfall totals for the month at these three sites were 2.6 inches below normal at Grand Rapids, 5.4 inches below normal for Lansing, and 3.1 inches below normal for Muskegon. By the end of the month, the snow had all melted across our entire HSA.

April Temperatures

Temperatures for the month of April were above normal at Grand Rapids, Lansing, and Muskegon, averaging 3.6, 2.8, and 2.7 degrees above normal, respectively.

April River Levels

River levels across Grand Rapids HSA by the end of April ranged from near to slightly below normal.

Hydrologic Products issued this month:

- 1 Hydrologic Outlook (ARBESFGRR) was issued
- 2 Hydrologic Statements (ARBRVSGRR) were issued
- 30 Hydrologic Summary's (ARBRVAGRR) were issued
- 30 Daily River and Lake Summary's (ARBRVDGRR) were issued

cc:

Ken King - Regional Hydrologist W/CR2
Wendy Pearson - W/CR2x2
Paula Guarino - W/CR1
Kris Sniedze - NCRFC
Dan Houser - WFO GRR MIC
Dan Costello - WFO DTX SH
James Larosa - WFO MQT HF
Ron LeuVoy - USGS Lansing